

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/PD/MW-01/2017-18/CW-C1

Date: 26-03-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

[Project*: Construction of Compound Wall at North East portion of Survey No.33 of Mallasandra.]

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	159 min	Shall not be less than 30 min
2	Final setting time	241 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.37 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.02 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results) b) 7 days (average of three results)	28.91 N/Sq mm 38.65 N/Sq mm	Shall not be less than 27 N/Sqmm Shall not be less than 37N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

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For Newzen Consultants Bangalore

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone.

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13, 10TH MAIN ROAD 2ND CROSS JNANAJYOTHI
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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE



NC/QC/PD/MW-01/2017-18/CW-PCC1

Date: 26-03-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete.

[Project*: Construction of Compound Wall at North East portion of Survey No.33 of Mallasandra.]

Ref: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	98.45	85-100	95 - 100
20mm	51.10	0 -20	30- 70
10mm	29.65	0 -5	10- 35
4.75mm	3.20	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

2. FINE AGGREGATES						TABLE - SIEVE ANALYSIS		
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks			
		Percentage Passing						
		Zone-I	Zone-II	Zone -III				
04.75	95.60	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II			
02.36	81.35	60-95	75-100	85-100				
01.18	68.05	30-70	55-90	75-100				
600. mic	44.80	15-34	35-59	60-79				
300 mic	11.20	5-20	8-30	12-40				
150 mic	6.35	0-10	0-10	0-10				

*As Furnished by Client.

The Results relate only to the items tested.

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For Newzen Consultants Bangalore

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Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone.

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KIRAN. R
M.E. (Civil Engg)

AND CROSS INANAIYOTHI

NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE



NC/QC/PD/MW-01/2017-18/CW-C2

Date: 28-03-2018

1. TEST REPORT ON CEMENT:

Sub. Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Construction of Compound Wall at North East portion of Survey No.33 of Mallasandra.}

Ref. Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BHMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	149 min	Shall not be less than 30 min
2	Final setting time	252 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.99 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	1.73 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results) b) 7 days (average of three results)	29.54 N/Sq mm 40.12 N/Sq mm	Shall not be less than 27 N/Sqmm Shall not be less than 37N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

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Asst. Executive Engineer
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Dasarahalli Zone.

Proprietor

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE



NC/QC/PD/MW-01/2017-18/CW-PCC2

Date: 28-03-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete.

{Project*: Construction of Compound Wall at North East portion of Survey No.33 of Mallasandra.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGREGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	97.30	85-100	95 - 100
20mm	61.05	0 -20	30- 70
10mm	25.60	0 -5	10- 35
4.75mm	2.75	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS					
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	98.30	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	85.95	60-95	75-100	85-100	
01.18	71.40	30-70	55-90	75-100	
600. mic	57.05	15-34	35-59	60-79	
300.mic	22.60	5-20	8-30	12-40	
150.mic	3.85	0-10	0-10	0-10	

*As Furnished by Client.

The Results relate only to the items tested.

Page No. 1/1,

K. R.
KIRAN. R.
M.E. (Civil-Engg)

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone,
Bruhat Bengaluru Mahanagara Palike

For Newzen Consultants Bangalore
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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE



NC/QC/PD/MW-01/2018-19/CW-SB3

Date: 16-04-2018

I. TEST REPORT ON PRE-CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Construction of Compound Wall at North East portion of Survey No.33 of Mallasandra. }

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST (Solid Blocks) BLOCK SPECIMENS

TABLE 1.1:

SI No	Dimensions of Specimen mm	Details	Cross Sectional Area mm ²	Maximum Load in KN	Compressive Strength N/mm ²	Average Compressive Strength N/mm ²
1	400 X 100 X 200	Solid	40000	150	3.75	4.04
2	"	"	40000	170	4.25	
3	"	"	40000	165	4.13	

*As furnished by Client.

The Results relate only to the items tested.

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